

FINANCIAL REPORT

W A T E R

1934

FINANCIAL REPORT
OF THE
DIVISION OF ACCOUNTS
(WATER)

March 4, 1935

To the Director of Public Affairs,
Newark, New Jersey.

Dear Sir:

Attention Mr. Jas. W. Costello, Chief Engr.

I submit herewith the Financial Report of the
Division of Accounts - Water, for the year ending December
31st, 1934, contained in the following statements:

Income Account for the year ending December
31st, 1934.

Balance sheet as at December 31st, 1934.

Respectfully,

Chief Accountant.

March 4, 1935

To the Director of Public Affairs,

Newark, New Jersey.

Dear Sir:

I submit herewith schedules supporting the Income Account and Balance Sheet presented to you on February 1, 1935, and offer the following explanation of the various schedules:
FIXED CAPITAL, \$45,715,987.20.

This schedule shows the additions to the plant and equipment during the year, the principal additions being amounts expended in:

Superintendent's House, Watershed	\$ 13,847.95
42" and 48" Pipe Line	5,656.98
Chlorine Building - Macopin	2,354.16
High Pressure System	21,035.49
General Distribution Mains	109,519.35
Fire Hydrants	3,322.72
	\$155,736.65

DEPRECIATION SCHEDULE, \$6,315,049.61.

This schedule shows in detail the depreciation accrued during the year on plant, \$475,774.78, based on unit rates set up by the Chief Accountant. There is also shown the amount of depreciation on each individual group at the beginning of the year. The total reserve at December 31, 1934 on plant and equipment is \$6,315,049.61 and the net depreciated cost of plant is \$39,400,937.59.

CASH, \$40,357.35.

This amount is in the hands of the City Treasurer in the General City Funds, with the exception of trust funds contained therein in amount of \$6,282.65.

CONSUMERS' ACCOUNTS RECEIVABLE, \$833,264.63.

NO. JERSEY DIST. WATER SUPPLY COMMISSION ACCOUNTS RECEIVABLE, \$436,131.00.

This amount represents open accounts owing and collectable from consumers, representing verified balances on the records in the Bureau, with the exception of water and service arrears in the hands of the City Comptroller in amount of \$50,932.07, which amount is not certified.

Sinking Fund	\$ 2,804,363.92
Funded Debt	22,061,000.00
Interest on Bonds for Year	1,006,199.83

The investments are held and controlled by the Sinking Fund Commission and are verified with City Auditor Records. Opposite the several amounts in sinking fund is set the amount of bonds outstanding, arranged in order of maturity.

The funded debt was decreased during 1934 by \$569,000.00. Sinking Fund Bonds in amount of \$100,000.00 and Serial Bonds in amount of \$469,000.00 were paid. Total amount of bonds retired during 1934, \$569,000.00. Temporary Bonds retired by issue of Serial Bonds, \$1,000,000.00.

The interest on funded debt during year was net, \$1,006,199.83, being a decrease of \$15,418.23 over previous year. Detail is also shown of interest accrued and not due at December 31st, in amount of \$270,186.23.

TRUST FUNDS, \$6,282.65.

OPERATING REVENUE, \$2,458,271.66.

This schedule shows the volume of water delivered during the year, also water sold direct from Wanaque Reservoir to other municipalities in amount of \$123,006.68. The operating revenue shows an increase of \$220,292.49.

During the past year there was no let up in the activities of the Bureau with regard to service and construction work.

The following tabulation of metered and unmetered service should be noted by all users of city water:

	Revenue Obtained	Water Consumed	Percentage of Revenue
Metered	2,016,701.80	13,476. Mill. Gals.	82.2
Unmetered	37,187.88	278. " "	1.5
Other Systems	248,291.52	3,409. " "	10.1
Wanaque water sold direct to other systems	123,006.68	(Unknown)	5.00
Municipal, Miscellaneous	27,969.89	465.	1.2

METERED PROPERTIES.

	Cubic Feet	Million Gallons
Domestic -		
One and two-family dwellings	418,564,500.	
Over two-family dwellings	488,601,000.	
Non-Domestic, Industrial -		
Mills, factories, railroads	604,797,500.	
Commercial -		13,475.833
Stores, stables, office buildings	246,974,500.	
Semi-Public Buildings -		
Hospitals, private schools, churches	42,524,000.	
Services to Other Systems	455,719,141.	3,409.007
Municipal Water Service	60,398,000.	451.807
Total	2,317,578,641	17,336.647

Unmetered -

Private dwellings, building work, street flushing, etc.	39,075,195	292.302
Fire extinguishers, loss from burst street mains and leaks	314,291,142	2,351.057

The proportion of unmetered consumption chargeable against private dwellings has been estimated.

ACCOUNTING SYSTEM.

The accounting system presents a complete financial statement showing operating revenue, expenditure, yearly income and the surplus or deficit for that time.

CLAIMS

There were 1517 claims for allowance filed with the Adjustment Committee on metered properties, on which adjustments amounting to \$7,914.92 were allowed. This represents an increase of 504 in number of claims filed.

The Bureau rule, requiring consumer to present proof of claim for rebate in the form of "licensed plumber's statement" before granting any allowance, is still in effect. Each consumer is made to realize that it is his duty to account for water consumed or wasted, and that when protesting any bill, the burden of proof is on him.

MAINS

Schedules of construction costs on high and low service mains, for labor, material and overhead charges on each job, are shown, and are useful for estimating future capital expenditures or for comparisons with similar costs in other localities.

Respectfully,

Chief Accountant.

DEPARTMENT OF PUBLIC AFFAIRS
DIVISION OF ACCOUNTS - WATER

December 31, 1934

BALANCE SHEET

ASSETS

CAPITAL ASSETS

Cost of properties including land,
buildings, equipment, etc., less
depreciation at January 1, 1934
Net additions during the year less
net depreciation for year

\$39,734,842.50

333,904.91

\$39,400,937.59

154,776.24

MATERIAL AND SUPPLIES

CURRENT ASSETS

Accounts Receivable -

No. Jersey Dist. W.S. Comm.

201,928.36

Water Rates Uncollected

699,203.58

Unmetered Rates Uncollected

8,415.33

Municipal Uncollected

6,790.39

Tapping Mains Uncollected

67,075.05

Builders Uncollected

506.96

Water & Service Arrears

(Comptroller)

50,932.07

Miscellaneous

341.25

833,264.63

Less Reserve for

"Deductions" &

Doubtful Accounts

93,572.49

739,692.14

Cash in Bank

33,801.51

975,422.01

SPECIAL FUNDS

Watershed Extension Fund, Cash

273.19

Trust Funds, Cash

6,282.65

6,555.84

DEFERRED CHARGES TO OPERATIONS

2,217.09

SINKING FUND

Sinking Fund - Regular

2,731,220.43

Sinking Fund - Excess Payments

73,143.49

2,804,363.92

\$43,344,272.69

DEPARTMENT OF PUBLIC AFFAIRS

DIVISION OF ACCOUNTS - WATER

December 31st, 1934

BALANCE SHEET

LIABILITIES

CAPITAL LIABILITIES

Bonded Indebtedness

22,061,000.00

CURRENT LIABILITIES

Consumers' Deposits

6,252.65

Borrowed from City

375,000.00

Sundry Creditors

12,035.53

Unpaid Accrued Wages

13,091.15

Interest Accrued on Bonds

270,186.28

676,595.61

REVENUE APPLICABLE TO 1935 PERIOD

3,147.40

SINKING FUND RESERVE

Sinking Fund - Regular

2,731,220.43

Sinking Fund - Excess Payments

73,143.49

2,804,363.92

CAPITAL SURPLUS

Balance at January 1, 1934

14,172,018.05

ADD

Sinking Fund Bonds Paid

100,000.00

14,272,018.05

SUBTRACTSinking Fund & Serial Bond
Payments

524,431.70

Amortization 475,774.78

Misc. Equip. -

Reserve

22,605.95

498,380.73

26,050.97

Sinking Fund Payments

55,431.70

29,380.73

14,242,637.32

REVENUE SURPLUS

Balance at January 1, 1934

3,526,295.17

ADDNet Surplus from Operations
during year, as per
attached exhibit

30,233.27

3,556,528.44

43,344,272.69

DEPARTMENT OF PUBLIC AFFAIRS

DIVISION OF ACCOUNTS - WATER

STATEMENT OF EARNINGS AND EXPENDITURES

For the year ending December 31, 1934.

Net Sales of Water		2,330,151.09	
North Jersey Dist. Water Supply Comm.		<u>186,724.12</u>	2,516,875.21
Miscellaneous Operating Revenue			<u>5,113.89</u>
Total Operating Revenue			2,521,989.10
<u>DEDUCT</u>			
Water Collecting Expenses		214,437.83	
Purification System Expenses		21,724.63	
Distribution System Expenses		333,065.35	
Commercial & New Business Expenses		<u>147,994.76</u>	
General & Miscellaneous Expenses	281,890.48		
Amortization - Paid into sinking Fund	<u>475,774.78</u>	<u>757,665.26</u>	<u>1,478,887.83</u>
			1,047,101.27
<u>ADD</u>			
Miscellaneous Rents, Interest and Non-Operating Revenue			<u>5,611.96</u>
Gross Corporate Income			1,052,713.23
<u>DEDUCT</u>			
Interest on Funded Debt			<u>996,428.99</u>
			56,284.24
<u>DEDUCT</u>			
Regular Sinking Fund Payments	55,431.70		
Serial Bond Payments	<u>469,000.00</u>	<u>524,431.70</u>	
Less Amount Provided by Amortization under General & Miscellaneous Expenses	<u>475,774.78</u>		
Miscellaneous Equipment Reserve Under Various Expense Accounts	<u>22,605.95</u>	<u>498,380.73</u>	
			<u>26,050.97</u>
To CORPORATE SURPLUS year ending December 31, 1934			30,233.27

DEPARTMENT OF PUBLIC AFFAIRS

DIVISION OF ACCOUNTS - WATER

BALANCE SHEET

December 31, 1934

PUBLIC UTILITY FORM

ASSETS.

		Balance at Close of Year	Net Change During Year
Fixed Capital, December 31, 1934		45,715,987.20	157,640.70
Materials and Supplies		154,776.24	35,105.69
<u>CASH</u>			
General Funds	33,801.51		
Trust Funds	6,282.65		
Watershed Extension Fund	273.19	40,357.35	21,693.46
North Jersey Dist. Water Supply Commission	201,928.36		
Consumers' Accounts Receivable	833,264.63	1,035,192.99	145,271.62
Prepayments (Fire Insurance)		2,217.09	127.45
Sinking Funds (Regular)	2,731,220.43		
Sinking Funds (Excess Payments)	73,143.49	2,804,363.92	82,499.94
		<u>\$49,752,894.79</u>	<u>\$81,584.24</u>

LIABILITIES.

Funded Debt	22,061,000.00	431,000.00
Consumers' Deposits	6,282.65	547.51
Other Accounts Payable	387,035.53	29,671.77
Unearned Revenue (1935 Period)	3,147.40	7.84
Taxes Accrued		28,938.76
Interest Accrued	270,186.28	4,614.00
Other Accrued Liabilities	13,091.15	9,645.16
Other Unfunded Debt		1,000,000.00
Amortization (or Retirement) Reserve	6,315,049.61	491,545.61
Miscellaneous Reserves	2,897,936.41	145,532.50
Corporate Surplus	17,799,165.76	76,592.47
	<u>\$49,752,894.79</u>	<u>\$ 81,584.24</u>

DEPARTMENT OF PUBLIC AFFAIRS

DIVISION OF ACCOUNTS - WATER

Plant and Equipment Depreciation Schedule

December 31, 1934

Title of Account		Accrued to Jan. 1, 1934	Accrued dur- ing 1934	Total ac- crued to Dec. 31, 1934
112	<u>RENOVATION STRUCTURES</u>			
	Wicopin Village	27,035.26	1,597.07	28,632.33
	Garage, Watered	154.06	19.86	173.92
104	<u>WATER DIVERSION RIGHTS</u>			
113	<u>IMPROVING RESERVOIRS</u>			
	Cost of Watered, except Pipe Line	300,000.00	25,000.00	325,000.00
	Manaque Reservoir		135,000.00	135,000.00
115	<u>SPRINGS & WELLS</u>			
	Driven Wells, Belleville	22,274.21		22,274.21
	Caisson Wells, Belleville	2,452.80		2,452.80
	Drilled Wells, Belleville	36,164.18		36,164.18
116	<u>INTAKES & SUPPLY MAINS</u>			
	Cost of Watered Pipe line (M. R. Sherrerd's Estimate)	600,000.00	90,000.00	690,000.00
	Butler Connections	1,110.33	79.31	1,189.64
	48" Pipe Line, Gate House, Pequannock	132,754.71		132,754.71
124	<u>CHEMICAL TREATMENT PLANT</u>			
	Chlorine Feeding Apparatus	8,365.89	969.19	9,335.08
	Chlorine Building, Wicopin		141.60	141.60
127	<u>PUMPING STATION STRUCTURES</u>			
	Belleville Chimney	10,056.25		10,056.25
	Belleville Riverwall & Dock	266,110.99		266,110.99
135	<u>STORAGE RESERVOIRS, TANKS & STANDPIPES</u>			
	Belleville Keeper's House	3,559.19	106.78	3,665.97
	Belleville Receiving Reservoir	108,826.09	4,512.18	113,338.27
	Belleville Fence	1,110.06	255.01	1,365.07
	Belleville Res. Appurtenances	3,973.75	1,054.90	5,028.65
	No. Orange Av. N.P. Reservoir	73,019.19	2,867.83	75,887.02
	Keeper's House - No. 9th St.	1,506.04	66.38	1,572.42
	Cedar Grove Reservoir Fence	13,820.90		13,820.90
	Keeper's House, Laboratory & Road	2,497.61	55.49	2,553.10
	Cedar Grove Water System	692.79		692.79
	Cedar Grove Garage	217.22	24.80	242.02

DEPARTMENT OF PUBLIC AFFAIRS

DIVISION OF ACCOUNTS - WATER

Plant and Equipment Depreciation Schedule

December 31, 1934

Title of Account		Accrued to Jan. 1, 1934	Accrued dur- ing 1934	Total ac- crued to Dec. 31, 1934
136	<u>DISTRIBUTION MAINS & APPURTENANCES</u>			
	High Pressure System	156,837.25	10,843.84	167,681.09
	L. P. Distribution Mains General	3,030,916.13	172,812.33	3,203,728.46
			1,975.37	
	Hydrometer Boxes	49,785.77	8,467.97	58,253.74
	60" Steel Pipe Line	403,998.15	16,494.71	420,492.86
	36" Cast Iron Pipe Line	32,000.00	2,150.00	34,150.00
	60" Steel Supply Main #1	46,097.37	9,388.56	55,485.93
	60" Steel Supply Main #2 (Elizabeth)	61,527.87	21,615.73	83,143.60
139	<u>FIRE HYDRANTS & FIRE CISTERNS</u>			
	High Pressure Hydrants	19,544.22	1,080.64	20,624.86
	Low Pressure Hydrants	97,138.28	7,900.51	105,038.79
141	<u>GENERAL STRUCTURES</u>			
	Pequannock Gate House Bldg., 5th & 6th Sts.	8,547.71	569.19	9,116.90
	Sigat's St. Stable	14,444.51	760.31	15,204.82
	New Meter Testing Station	15,648.59	963.76	16,612.35
	Improvements, Wilson Ave.	1,856.73	280.25	2,136.98
	Cedar Grove Laboratory	4,831.76	813.57	5,645.33
		5,574,934.96	475,774.78	6,050,709.74
			1,975.37	
	<u>INSTALLATION EQUIPMENT</u>			
142A	General Office Equipment	36,232.33	3,619.30	39,851.63
142B	General Shop Equipment	75,837.22	11,670.85	87,508.07
142C	Transportation Equipment (auto)	1,230.50	3,261.68	4,492.18
142D	Transportation Equipment (garage)	130,601.86	280.50	130,882.36
142E	Miscellaneous Equipment (laboratory)	4,657.73	1,428.70	6,086.43
			8.45	
		248,569.44	22,605.95	271,175.39
			4,859.75	
		5,823,504.00	498,380.73	6,321,884.73
			6,835.12	

DEPARTMENT OF PUBLIC AFFAIRS

DIVISION OF ACCOUNTS - WATER

Plant and Equipment

December 31, 1934

P.O. a/c	Title of Account	Balance at beginning of year 1934	Additions during 1934	Deductions during 1934	Balance December 31, 1934
104	<u>WATER DIVERSION RIGHTS</u>	1,500.00			1,500.00
105	<u>RESERVATION LAND</u>				
	Waterland Extension Fund	2,459,017.95			2,459,017.95
	New Storage Reservoir	124,527.97			124,527.97
	Exchanged for water	116,280.00			116,280.00
	Bureau of Water Revenue	59,851.00			59,851.00
	Severance on land	18,045.66			18,045.66
106	<u>OTHER SOURCE OF SUPPLY LAND</u>				
	Driven Wells, Belleville	1,693.92			1,693.92
108	<u>PUMPING SYSTEM LAND</u>				
	Pump House, Belleville	11,883.64			11,883.64
109	<u>STORAGE RESERVOIR LAND</u>				
	Belleville Reservoir	1.00			1.00
	Surrounding Belleville Reservoir	12,000.00			12,000.00
	Ferris Property, Belleville	14,175.00			14,175.00
	Surrounding So. Orange Av. High Pressure Reservoir	1.00			1.00
110	<u>OTHER DISTRIBUTION SYSTEM LAND</u>				
	Right of Way - Slingerland and DeSow	1,200.00			1,200.00
	Right of Way-Belleville #1	450.00			450.00
	Right of Way-Belleville #2	723.35			723.35
	Improvements along Pipe Line at Montclair	2,767.00			2,767.00
	Strip, Central Ave. and Becker St.	1.00			1.00
112	<u>RESERVATION STRUCTURES</u>				
	Macopin Village	79,853.70			79,853.70
	Superintendent's House, Waterland	1,292.47	13,847.95		15,140.42
	Green Park Road	21,447.18			21,447.18
	Forestry	11,110.75	2,055.94		13,166.69
	Concrete Benches, Waterland		215.09		215.09
	Garage - Waterland	993.15			993.15

DEPARTMENT OF PUBLIC AFFAIRS

DIVISION OF ACCOUNTS - WATER

Plant and Equipment

December 31, 1934

P.E. a/o	Title of Account	Balance at Beginning of year 1934	Additions during 1934	Deductions during 1934	Balance December 31, 1934
104	<u>WATER DIVERSION RIGHTS</u>				
113	<u>IMPENDING RESERVOIRS</u>				
	Cost of Watershed, except				
	Pipe Line	3,521,710.34			3,521,710.34
	Reservoirs	2,738.00			2,738.00
	Possibilities accruing				
	from watershed	5,780,431.33			5,780,431.33
113	Echo Lake Dam	339,834.21			339,834.21
	Raising Dam, Oak Ridge	671,733.89			671,733.89
	Auxiliary Dam, Charlotte-				
	burg, etc.	18,302.10			18,302.10
	New Charlotteburg Dam	22,372.53			22,372.53
	Raising Overflow, Clinton				
	Reservoir	7,072.28			7,072.28
	Canistota Channel	8,068.88			8,068.88
	Manaque Reservoir	14,509,617.28			14,509,617.28
	Preliminary Cost of				
	Furnishing Added water				
	Supply	15,378.00			15,378.00
115	<u>SPRINGS & WELLS</u>				
	Driven Wells, Belleville	22,275.21			22,275.21
	Caisson Wells, Belleville	2,453.80			2,453.80
	Drilled Wells, Belleville	36,165.18			36,165.18
118	<u>INTAKES AND BUTTLY MAINS</u>				
	Cost of Watershed Pipe				
	Line (W. R. Sherrard's				
	Patented)	2,500,128.02	5,636.98		2,505,765.00
	Butler Connections	3,965.48			3,965.48
	48" Pipe Line - Gate				
	House, Pecosmuck	132,755.71			132,755.71
119	<u>SETTLING BASINS</u>				
	Settling Basins, Belleville	1.00			1.00
124	<u>ORIGINAL TREATMENT PLANT</u>				
	Chlorine Feeding Apparatus	9,691.90			9,691.90
	Chlorine Building, Macopin	7,080.09	2,334.16		9,434.25
127	<u>PUMPING STATION STRUCTURES</u>				
	Belleville Chimney	10,057.25			10,057.25
	Belleville Riverwall &				
	Dock	266,111.99			266,111.99

DEPARTMENT OF PUBLIC AFFAIRS

DIVISION OF ACCOUNTS - WATER

Plant and Equipment

December 31, 1934

P.S. a/c	Title of Account	Balance at beginning of year 1934	Additions during 1934	Deductions during 1934	Balance December 31, 1934
135	<u>STORAGE RESERVOIRS, TANKS & STAMP PIPES</u>				
	Belleville Keeper's House	5,338.85			5,338.85
	Belleville Receiving Res.	149,435.73			149,435.73
	Belleville Fence	2,550.09			2,550.09
	Belleville Res. Appurtenances	10,548.99			10,548.99
	Co. Orange Av. H.F. Reservoir	98,829.62			98,829.62
	Keeper's House - 9th St.	3,330.55	11.75		3,330.55
	Cedar Grove Reservoir	1,186,684.94			1,186,684.94
	Cedar Grove Res. Fence	13,821.90			13,821.90
	Keeper's House, Laboratory and Road	2,924.32			2,924.32
	Cedar Grove Water System	697.79			697.79
	Cedar Grove Garage	1,260.07			1,260.07
136	<u>DISTRIBUTION MAINS & ACCESSORIES</u>				
	High Pressure System	1,084,384.48	21,035.49		1,105,419.97
	L. F. Distribution Mains				
	General	8,640,616.53	109,409.83	2,155.56	8,747,870.80
	Hydrometer Boxes	84,789.20	109.52		84,789.20
	60" Steel Pipe Line	585,000.00			585,000.00
	36" Cast Iron Pipe Line	215,000.00			215,000.00
	60" Steel Supply Main #1	455,427.78			455,427.78
	60" Steel Supply Main #2	1,080,786.67			1,080,786.67
139	<u>FIRE HYDRANTS & FIRE DISTRIBUTION</u>				
	High Pressure Hydrants	108,064.28	1,583.69		109,647.97
	Low Pressure Hydrants	395,025.49	1,739.03		396,764.52
141	<u>GENERAL STRUCTURES</u>				
	Land, West Side of Diagon- field Av. & No. 5th St.	2,300.00			2,300.00
	Requena Gate House Bldg., 5th & 6th Sts.	28,459.42			28,459.42
	8th St. Stable	38,015.74			38,015.74
	Land between No. 8 & 9 Sts.	2,000.00			2,000.00
	Land for Stable & Pipe Yard, No. 8th St. & 10th Ave.	11,000.00			11,000.00
	Land - West Side Summer Av.	4,000.00			4,000.00
	New Water Testing Station	48,187.93			48,187.93
	Land - Wilson Ave.	20,565.00			20,565.00
	Land - Stockton St.	750.00			750.00
	Improvements - Wilson Ave.	14,012.88	667.04		14,679.92
	Franklin St.	14,500.00			14,500.00
	Cedar Grove Laboratory	40,688.70			40,688.70

DEPARTMENT OF PUBLIC AFFAIRS

DIVISION OF ACCOUNTS - WATER

Plant and Equipment

December 31, 1934

F.D. a/c	Title of Account	Balance at beginning of year 1934	Additions during 1934	Deductions during 1934	Balance December 31, 1934
142	<u>MISCELLANEOUS EQUIPMENT</u>				
A	General Office Equipment	54,338.33	370.05	1,446.62	53,261.76
B	General Shop Equipment	103,778.20	3,367.50	3,728.53	104,017.26
C	Transportation Equip- ment, Stable	2,528.00	19.00	350.50	2,196.50
D	Transportation Equip- ment, Garage	194,683.86			194,683.86
E	Miscellaneous Equip- ment, Laboratory	7,402.22	2,290.25	11.45	9,681.02
143	<u>OTHER TANGIBLE WATER CAPITAL</u>				
	Engineers' Maps & Records	20,000.00			20,000.00

\$45,598,346.90 \$165,333.36 \$7,692.66 \$45,715,987.20

DEPARTMENT OF PUBLIC AFFAIRS

DIVISION OF ACCOUNTS - WATER

CASH STATEMENT

December 31, 1934

RECEIPTS

Balance, January 1, 1934		12,655.56
OPERATING REVENUE		
Metered Service, Private	2,305,853.36	
Unmetered Service, Private	58,779.30	
Municipal Service	27,460.38	
Miscellaneous Water Service		
Buildings	1,057.48	
Special	873.60	
Miscellaneous Operating Revenue		
Tapping 3/8" and 1" Mains	1,046.10	
Tapping Larger Mains, Meters, etc.	92,965.31	
Penalties	727.00	
Comptroller	3,035.67	
NON-OPERATING REVENUE		
Rent	4,363.00	
Interest	379.39	
Borrowed from City	375,000.00	
Accrued Interest from Auditor	9,770.84	
Permanent Bonds	1,000,000.00	3,621,341.45
		<u>3,833,997.01</u>

DISBURSEMENTS

Pay Rolls, Weekly	404,975.63	
Pay Rolls, Semi-monthly	330,715.25	
J. Deegan - Pay Roll, Semi-monthly	768.64	
Serial Bonds	469,000.00	
Temporary Bonds Paid	1,000,000.00	
Sinking Fund	95,431.70	
Interest on Temporary Bonds	97,353.33	
Interest on Bonds	363,165.00	
Interest on Bonds (Vantage)	561,067.50	1,001,565.63
Accounts Payable	321,145.18	
Diversion of Water - State	1,614.49	
Refunded to City	175,000.00	
Garage Expenses	39,938.78	3,800,195.50
		<u>33,801.51</u>
Balance, January 1, 1935		

NATIONAL EXTENSION FUND

Balance, January 1, 1934	273.19
Balance, January 1, 1935	273.19

TRUST FUNDS

Receipts

Balance, January 1, 1934		5,735.14
Duplicate Payments	3,162.85	
Construction	4,107.00	
Miscellaneous	170.00	
		<u>7,439.85</u>
		13,170.99

Disbursements

Duplicate Payments	2,938.67	
Construction	3,203.00	
Miscellaneous	436.67	
Hydrant Repairs	10.00	
		<u>6,588.34</u>

Balance, January 1, 1935	6,282.65
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DEPARTMENT OF PUBLIC AFFAIRS

DIVISION OF ACCOUNTS - WATER

REVENUES

Balance at beginning of year 1934

5,527,504.00

Accrued during year per Chief Accountant
Various Miscellaneous Receipts

475,775.75
12,605.95

Total Credits

16,342,885.75

Operating Salaries
Miscellaneous Expenses

6,455.12

6,455.12

Balance at close of year

16,315,840.63

Balance at beginning of year 1934

4,732,563.78

Payments to December 31, 1934
Savings to December 31, 1934

35,521.75
137,562.18

Total Credits

12,904,385.52

Debits Made

130,000.00

Balance at close of year

12,804,385.52

Payments of Transit Water Bills
Interest & Miscellaneous Expenses
Miscellaneous Receipts

5,500.00
12,175.95
18,100.00

33,775.95

Receipts for 1935 operations
Receipts for 1934 operations

5,500.00
15,000.00

Total Credits

33,100.00

Receipts on 1933 bills (in 1934)
Miscellaneous Receipts

4,500.00
727.51

5,227.51

Balance at close of year

33,572.49

DEPARTMENT OF PUBLIC AFFAIRS

DIVISION OF ACCOUNTS - WATER

COMPARATIVE INCOME ACCOUNT

December 31, 1934

Item (or account)	Amount applicable to the year	Corrections preceding year
	Totals	Increase (Decrease)
Water Operating Revenue	2,221,889.10	219,252.77
Water Operating Revenue Deductions	1,414,887.83	179,734.51
Water Operating Income	1,007,001.27	139,518.26
Other Operating Income		
Classification Post Revenue	5,172.08	
Other Current Revenue	121.85	
Other Non-Operating Revenue	708.11	
Total Classification Income	5,911.96	528.74
Gross Corporate Income	1,052,713.23	109,624.29
Classification from Other Income		
Interest on Long Term Debt	215,429.77	
Classification Deductions	18,056.57	
Total Deductions	1,022,473.96	154,698.33
Net Corporate Surplus for year	30,239.27	264,326.62

DEPARTMENT OF PUBLIC AFFAIRS

REVENUE BY SERVICE - WATER

REVENUE BY SERVICE - WATER

Service	No. of meters inst. Jan. 31	Instal- ment No. during year	No. of C.C. delivered to consumers during year	Net Amount credited to Revenue	Average Net Rev- enue per C.C.
Watered private service	55,731	55,731	13,475,833	\$2,216,731.83	\$169.95
Watered private service (in use)	660	660	278,184 est.	37,187.88	135.80
Watered private service (not in use)	605	605			
Service to other systems (water supply)	19	19	3,407,301	246,231.52	72.51
Machine water sold direct to other systems			(not known)	136,724.12	
Municipal water service to other city departments	275	275	421,607	26,239.50	82.00
Miscellaneous water service			13,163 est.	1,760.39	135.80
Total sales of water			17,627,994	\$2,516,875.21	
Miscellaneous Installation Revenue					
Land, etc., Furnishing, etc.				4,307.89	
				804.00	
Total Operating Revenue				\$2,521,987.10	

DEPARTMENT OF PUBLIC AFFAIRS

DIVISION OF ACCOUNTS - WATER

COMPARATIVE SUMMARY

I. Distribution System Expenses

400 Water Storage & Distribution

(a) Distribution System - Sewerage		57,382.11	
(b) Water Storage Tank		27,185.11	
(c) Other Distribution Lines - 1. Overhead Transmission Lines	4,591.94		
2. Overhead Distribution Lines	74,334.42		
3. Overhead & Insulating Services	42,388.38		
4. Insulating Services	1,155.34	170,298.76	
(d) Other Distribution Ex- penses		11,171.15	170,298.76

405 Consumers' Expenses

(a) Consumers' Meter Expenses	37,491.83		
(b) Consumers' Installation Expenses	13,503.04	30,914.47	

410 Repairs of Water Meters

8,522.83

415 Repairs of Pipes & Accessories

(a) Repairs of Transmission Lines	11,626.58		
(b) Repairs of Distribution Lines	28,200.85		
(c) Repairs of Consumers' Services	38,831.35		
(d) Repairs of Fire Hydrants & Cisterns	11,305.40		
(e) Miscellaneous Distribution Repairs	10.76	96,055.13	

418 Repairs of Commercial Lines

27,475.00

Total Distribution System Expenses

353,048.35

II. Commercial & New Business Expenses

500 Commercial Expenses

(a) Commercial Office Expenses	82,577.40		
(b) Meter Reading & Collecting	28,545.11		
(c) Other Commercial Expenses	13,159.90	147,994.76	

Total Commercial & New Business Expenses

147,994.76

DEPARTMENT OF PUBLIC AFFAIRS

DIVISION OF HIGHWAYS - WATER

EXPENSES

3. General & Miscellaneous Expenses

481 Salaries of General Offices	14,534.12
482 Rent General Office Building	71,803.17
483 General Office Building & Furniture	13,711.70
484 Ins. Expense	8,187.39
485 Telephone Exp. Expense	11,069.37
486 Insurance	2,017.22
487 Motor Fuel, Oil, and Repairs	4,733.60
488 Motor & Transportation Expenses	
(a) Motor Expenses	22,634.76
(b) Transportation Expenses	<u>20,664.86</u>
	43,349.62
493 Repairs of General Structures	6,427.07
494 General Amortization	<u>475,774.78</u>

Total General & Miscellaneous Expenses 652,068.04

Total Operating Expenses \$1,369,290.61

495 Taxes 69,597.22

496 Uncollectable Water Bills 36,000.00

Total Revenue Deductions \$1,474,887.83

MISCELLANEOUS DATA

Pequannock

Municipally owned plant. The water supply portion embraces storage reservoirs on the Pequannock River in Morris, Passaic and Sussex Counties, with main conduits to the city. This portion of plant was constructed under legislative authority by contract made in 1889 with the East Jersey Water Company for \$6,000,000.00. This contract contained restrictions regarding the territory which could be supplied from the Pequannock plant, and under this contract the City of Newark can only supply the present and future limits of the City of Newark and the then existing Townships of Belleville, South Orange, East Orange and Clinton. The court has decided this contract contrary to Public Policy.

Wanaque

Wanaque Supply is owned jointly by Newark and other municipalities, Newark's cost being \$14,509,617.28, entitling the city to 40,500,000 gallons of water a day. The Reservoir was begun in 1919 and finished March 20, 1930. Connection to Newark City Water Mains was made by the Division of Water Engineers July 5, 1930.

All hydrants for municipal use are free.

Regular meter rates changed in 1914, effective January 1, 1915, as follows:

Additional surcharge 15% from October 1, 1933.

Minimum rate, \$6.00 per annum or \$1.50 per quarter for 500 cubic feet. Above 500 cubic feet \$1.00 per thousand.

When bills are paid within thirty days from the first day of the quarter for which they are rendered, the following discounts on sums above the minimum charge of \$6.00 will be allowed: 2 per cent for each \$100. annual payment, 4 per cent for each \$200. and so on until \$2,000., or the maximum discount of forty per cent is attained.

High pressure and out-of-town rates - \$2.00 first 500 cubic feet - \$1.33 $\frac{1}{3}$ for each 1,000 cu. ft. additional.

Playground Commission, minimum \$1.50 - regular 45¢ per 1000 cu. ft.

Board of Education - minimum \$1.50 - regular 45¢ per 1000 cu. ft. - other schools, 60¢ per 1000 cu. ft.

Hospitals and benevolent institutions - 20¢ per 1000 cu. ft.

Town of Belleville - \$100.00 per 1,000,000 gals.

Large special sales to other municipalities - \$90.00 per 1,000,000 gallons.

DEPARTMENT OF PUBLIC AFFAIRS

DIVISION OF ACCOUNTS - WATER

WATER PURCHASED OR SOLD

Name of Utility	No. of M.G. delivered to consumers during year	Average price per Million Gallons	Amount Credited to Revenue	Amount Charged to Expense
Town of Belleville	705.225	100.00	70,522.49	
Town of Bloomfield	1,187.170	30.00	35,462.09	
City of Elizabeth	1,037.096	90.00	93,341.74	
Elizabethtown Water Co.	15.828	103.50	1,638.24	
Town of Irvington (Commonwealth Water Company)	.610	225.00	137.26	
Town of Nutley	401.304	90.00	36,117.32	
Town of Montclair	(Minimum - No Water)		2,500.00	
City of East Orange	(Minimum - No Water)		2,500.00	
City of East Orange	.879	90.00	79.11	
Wayne, N. J. - Packanack Lake Development Co.	30.504	106.78	3,257.17	
Wayne Township-Dept. of Water	22.101	90.00	1,989.89	
Cedar Grove (Overbrook) - Essex Co. Board of Freeholders	8.291	90.00	746.21	
Albert C. Middleton, State Treas.	1,614.490	1.00		1,614.49
No. Jersey Dist. Water Supp. Comm.	6,629.9	17.05		113,006.68
			\$248,291.52	\$114,621.17

TERRITORY SERVED DURING YEAR

Permanent Population (Estimated)

Newark	445,000 Est.
Total Number of Taps - December 31, 1934	55,690
Taps Metered	54,025
Taps Unmetered	1,665
Total Capacity of Storage Reservoirs (M.G.)	11,405
Total Number of Storage Reservoirs	4
Total Number of Distribution Reservoirs	3
Total Capacity of Distribution Reservoirs (M.G.)	701.7
Number of Miles of Mains	560 1542/5280
Number of Fire Hydrants	4,657

MONTHLY OUTPUT (Million Gallons)

	Pequannock	Wanaque
January	1,131.4	467.7
February	1,084.8	514.4
March	1,151.3	534.3
April	1,041.8	460.2
May	1,141.7	510.4
June	1,054.3	691.4
July	1,177.9	790.6
August	1,182.5	556.4
September	1,083.2	497.6
October	1,104.4	553.5
November	1,096.2	509.1
December	1,100.6	544.3
	13,350.1	6,629.9

Total Million Gallons of metered consumption during year	17,336.641
Estimated flat rate consumption, &c (.9488) Motor Flushers & Brooms	292.302
Total million gallons used by respondent during year	17,628.943
Million gallons lost or unaccounted for (11.77%)	2,351.057
Total million gallons delivered to mains during year	19,980.000

DEPARTMENT OF PUBLIC AFFAIRS

DIVISION OF ACCOUNTS - WATER

DRAINAGE AREA

Total number of square miles, 63.7

Area of land owned for protection of supply, 56.41
miles - 88.5 per cent of Watershed.

RESERVOIRS, STORAGE TANKS & STANDPIPES

Classification	No. at close of year	Construction Material	Open or Closed	Capacity
*Wanaque Reservoir	1	Earth Dam, Concrete Core	Open	27,800. M.G.
Collecting Reservoirs	4	Earth Dam, Concrete Core	Open	11,405. M.G.
Storage Reservoirs (Distribution)	1	Earth Dam, Concrete Core	Open	678.7 M.G.
	2	Masonry and Earth Bank	Open	23. M.G.

*Newark's share - 40.5 million gallons daily

PURIFICATION SYSTEM.

Sedimentation

Cedar Grove Reservoir, holding about thirteen days' supply, acts as a Sedimentation Basin. The Outlet Gatehouse is arranged so that the reservoir can be by-passed and the supply drawn directly from the Watershed. There are two inlets, one near the southern end and the other near the northeast corner. The Outlet Gatehouse is on the west side. The area of Cedar Grove Reservoir is 100 acres and its capacity is 678.7 million gallons.

Purification

Chlorination plants have been installed at Macopin Intake and Cedar Grove Reservoirs.